1116-05-1480   **Zhanar Berikkyzy** (zhanarb@iastate.edu), **Axel Brandt*** (axel.brandt@ucdenver.edu), **Sogol Jahanbekam** (sogol.jahanbekam@ucdenver.edu), **Victor Larsen** (vlarsen@kennesaw.edu) and **Danny Rorabaugh** (dr76@queensu.ca). *Antimagic Labelings of Weighted and Oriented Graphs.*

A graph is *antimagic* if there exists a bijective edge labeling from $E(G)$ to $\{1, 2, \ldots, |E(G)|\}$ such that the vertex sums are pairwise distinct. In 1990, Hartsfield and Ringle conjectured that every simple connected graph other than K_2 is antimagic. In this talk, we discuss a notion of closeness to being antimagic and a variation thereof.

Specifically, we show that every graph on n vertices having no K_1 or K_2 component is $\lfloor 4n/3 \rfloor$-weighted-list-antimagic, which improves upon a result of Wong and Zhu. Toward a conjecture of Hefetz, Mütze, and Schwartz, we also show that every graph on n vertices admits an orientation that is $\lfloor 2n/3 \rfloor$-oriented-antimagic. (Received September 20, 2015)